## DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

ATTORNEY DOCKET NO. 200311727-1

As a below named inventor, I hereby declare that:

My residence/post office address and citizenship are as stated below next to my name;

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Send Corresponden HEWLETT-PACKAR Intellectual Property P.O. Box 272400 Fort Collins, Colorac hereby declare the color of t	do 80527-240  nat all stater on and bel ge that will both, under any jeopardiz  Jacob AUG  Villa 68, F	ments made herein of nief are believed to be tilful false statements a Section 1001 of Title te the validity of the app	Richard P. Lange (650) 857-2821  The property own knowledge are true; and further that the like so made 18 of the United State of the United State of the United State of the United State of the United State.  Citizenship: India	true and that hese stateme are punisha s Code and the ssued thereor	all statements nts were made ble by fine or nat such willful n.	
Send Corresponden HEWLETT-PACKAR Intellectual Property P.O. Box 272400 Fort Collins, Colorac hereby declare thade on informativith the knowled aprisonment, or balse statements mull Name of Inventor:	do 80527-240  nat all stater on and bel ge that will both, under any jeopardiz	ments made herein of nief are believed to be to the liful false statements and Section 1001 of Title is the validity of the appropriate the statements.	Richard P. Lange (650) 857-2821  The property own knowledge are true; and further that the like so made 18 of the United State of the United State of the United State of the United State of the United State.  Citizenship: India	true and that hese stateme are punishas Code and the sued thereor	all statements nts were made ble by fine or nat such willful n.	
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Send Corresponden HEWLETT-PACKAR Intellectual Property P.O. Box 272400	D COMPANY Administration		Richard P. Lange			
Send Corresponden HEWLETT-PACKAR Intellectual Property	D COMPANY	1	Richard P. Lange			
Send Corresponden				<b>-</b> -		
	Send Correspondence to: HEWLETT-PACKARD COMPANY			Calls To:	1	
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OWER OF ATTORNEY s a named inventor, usiness in the Patent a	I hereby appo	oint the following attorney(s) Office connected therewith:  022879	Place Customer Number Bar Code	te this application	on and transact all	
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				7793		
APPLICATION N	UMBER	FILING DATE	STATUS (patented/pending/abandoned)			
sofar as the subject i anner provided by th formation as defined	matter of each e first paragra <sub>l</sub> in Title 37, Co	e 35, United States Code, Se of the claims of this applica ph of Title 35, United States de of Federal Regulations, Se ternational fillng date of this a	tion is not disclosed in the p Code Section 112, I acknow ction 1.56(a) which occurred	orior United State	s application in the	
		APPLICATION NUMBER	FILING DATE	_		
elow:					application(s) listed	
rovisional Application hereby claim the ben		e 35, United States Code Sec	ction 119(e) of any United S	tates provisional	application(s) listed	
				YES:	NO:	
				YES:	NO:	
COUNTRY		APPLICATION NUMBER	DATE FILED	PRIORITY CLAIMED	UNDER 35 U.S.C. 119	
ventor(s) certificate li	priority benefit	f Foreign Priority ts under Title 35, United Sta d have also identified below a stion on which priority is clair	any foreign application for pa	y foreign applicat atent or inventor(	cion(s) for patent or s) certificate having	
	ation which	is material to patentabil	ity as defined in 37 CF	R 1.56.	ige the duty to	
isclose all informa	it I have rev	viewed and understood	the contents of the a	bove-identifie	d specification,	
iciuaina the ciain				d on (if applicable).		
Number_ hereby state tha cluding the clain		as US Appli	_		cation	
( ) was filed on Number that the claim the claim			he following box is che	cked:		

## DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION (continued)

ATTORNEY DOCKET NO. 200311727-1

Full Name of joint inventor:	Norman P. JOUPPI		Citizenship: USA				
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Mornan P.	Joseph	O <sub>C</sub> Date	tober 23, 2003				
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Residence:	3599 Pennsylvania Avenue #205, Fremont, CA 94536						
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Inventor's Signature		Date		<del></del>			
Full Name of joint inventor:	Shivarama K. RAO		Citizenship: India				
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Post Office Address:	SAME AS RESIDENCE			<del></del>			
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Full Name of joint inventor:			Citizenship:				
Residence:							
Post Office Address:							
Inventor's Signature		Date					
Full Name of joint inventor:			Citizenship:	<del></del>			
Residence:				<del></del>			
Post Office Address:				<del></del> -			
Inventor's Signature		Date		<del></del>			
Full Name of joint inventor:			Citizenship:				
Residence:							
Post Office Address:							
Inventor's Signature		Date		<del></del>			
Full Name of joint inventor:			Citizenship:				
Residence:							
Post Office Address:							
Inventor's Signature		Date					

## DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION (continued)

ATTORNEY DOCKET NO. 200311727-1

Full Name of joint inventor:	Norman P. JOUPPI		Citizenship: USA					
Residence:	617 Colorado Avenue, Palo Alto, CA 94306							
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Inventor's Signature	Latt	10 2 Date	4 03					
Full Name of joint inventor:	Shivarama K. RAO		Citizenship: <b>India</b>					
Residence:	7th Cross, 10th Main, Jeev	an Bheema Na	gar, Bangalore, Kamataka	560075,	<u>Ind</u> ia			
Post Office Address:	SAME AS RESIDENCE							
Inventor's Signature		Date		<u> </u>	<del></del>			
Full Name of joint inventor:			Citizenship:		<u>.</u>			
Residence:								
Post Office Address:			······································	<del></del>	<del></del>			
Inventor's Signature		Date						
Full Name of joint inventor:			Citizenship:					
Residence:								
Post Office Address:				1722				
Inventor's Signature		Date			<del></del>			
Full Name of joint inventor:			Citizenship:					
Residence:								
Post Office Address:		<del></del>						
Inventor's Signature		Date						
Full Name of joint inventor:			Citizenship:					
Residence:								
Post Office Address:								
Inventor's Signature		Date		-				